OSHPD Special Seismic Certification Preapproval (OSP) by Category

Categories

1. **Emergency and Standby Power Systems** (EMER-STBY-PWR)
   - Automatic Transfer Switches (ATS)
   - Manual Transfer Switches (MTS)
   - Emissions After-Treatments (EMISS-AFT-TRMT)
   - Fuel Tanks (FUEL-TNK)
   - Generators (GEN)
   - Generator Control Panels (GEN-CTRL-PNL)
   - Paralleling Switchgear Controls (PARA-SWG)
   - Remote Radiators (RMT-RAD)

2. **Elevator Equipment** (ELEV)
   - Elevator Control Panels (CTRL-PNL)
   - Elevator Controllers (CTRLRS)

3. **Components with Hazardous Content** (Haz)

4. **Exhaust/Smoke Control Fans** (EXSMOK-FAN)

5. **Switchgear/Switchboards** (SWG-SWB)
   - Switchgear - Low Voltage (LV)
   - Switchgear - Medium Voltage (MV)
   - Switchboards (SWB)

6. **Motor Control Centers** (MTR-CTRL-CTR)
   - Motor Control Centers - Low Voltage (LV)
   - Motor Control Centers - Medium Voltage (MV)

7. **Fluoroscopy and Radiography Systems** (FLUOR-RAD)

8. **CT Systems** (CT)

9. **Air Conditioning Units** (ACU)
   - Air Conditioning Units - Custom (CUST)
   - Air Conditioning Units - Data Room (DATA-AC)
   - Air Conditioning Units - Inline Fan and Terminal (NLNFANS-TERM-AC)
   - Air Conditioning Units - Packaged (PKG)
   - Air Conditioning Units - Split (SPLIT)
   - Air Filters (FILTERS)
   - Fan Coil Units (FAN-COIL)
   - Humidification Systems (HUMID)
   - Variable Air Volume Units (VAV)

10. **Air Handling Units** (AHU)
    - Fans (FANS)

11. **Chillers** (CHILLER)
    - Chillers - Absorption (ABSRB)
    - Chillers - Air Cooled (AIR)
    - Chillers - CT Scanners (CT-SCNR)
    - Chillers - Water Cooled (WTR)
    - Condensers (CONDEN)
    - Heat Exchangers (HEAT-EXCH)

12. **Cooling Towers** (COOL-TWR)
13. **Transformers** (TRNSFMR)
   - Transformers - Dry Type (DRY)
   - Transformers - Liquid Filled (LIQ)

14. **Electrical Substations** (ELEC-SUBSTN)

15. **UPS and Batteries** (UPS-BATT)
   - Batteries (BATT)
   - Battery Chargers (BATT-CHRG)
   - Flywheel Energy Storage Systems (FLYWHL-ENGY)
   - Lighting Inverter Systems (LGHT-INVTR)
   - UPS (UPS)

16. **Panelboards** (PNLB RD)
   - Panelboards (ELEC)
   - Power Distribution Units (PDU)

17. **Industrial Control Panels** (INDUS-CNTRL-PNL)
   - Boiler Control Panels (BOILER)
   - Building Automation and Security Systems (BLD-AUTO-SECUR)
   - Fuel Systems Control Panels (FUEL)
   - HVAC Control Panels (HVAC)
   - Pump Control Panels (PUMP)
   - Variable Frequency Drives and Starters (VFD-STRS)

18. **Power Isolation and Correction Systems** (PWR-ISO-CORRECT)
   - Grounding Systems (GRND)
   - Power Isolation and Correction Systems (ISO-CORR)

19. **Motorized Surgical Lighting Systems** (SURGL-LGHT)

20. **Motorized Operating Table Systems** (OPER-TBL)

21. **Internal Communication Servers and Routers** (INT-COM-SRVR-RTR)
   - Servers & Routers (SRVR-RTR)
   - Wireless Communication Systems (WRLSS-COMM)

22. **Medical Gas and Vacuum Systems** (MED-GAS-VAC)
   - Medical Air and Vacuum Systems (MED-AIR-VAC)
   - Medical Gas Systems (MED-GAS)

23. **Electrical Busways** (ELEC-BUSWY)

24. **Electrical Control Panels on Life Safety/Critical Branch** (CNTRL-PNL-LIFE-CRIT)
   - Fire Alarm & Security Panels (FIRE-ALM-SECUR)
   - Fire Protection & Security Panels (FIRE-PROTEC-SECUR)
   - Lighting Control Panels (LGHT)
   - Medical System Control Panels (MED)
   - Nurse Call Stations (NRS-CALL)

25. **Other** (OTHER)
   - Biological Safety Cabinets (BIO-SAFETY-CAB)
   - IV Fluid Warmers (IV-FLD-WRMS)
1. Emergency and Standby Power Systems

**Automatic Transfer Switches:**
- OSP-0005-10: Russelectric – Automatic Transfer Switches
- OSP-0014-10: Eaton – Automatic Transfer Switches
- OSP-0029-10: Cummins – Automatic Transfer Switches
- OSP-0032-10: ASCO – Automatic Transfer Switches
- OSP-0035-10: GE Zenith Controls – Automatic Transfer Switches
- OSP-0096-10: Russelectric – Transfer Switches
- OSP-0114-10: Caterpillar – Automatic Transfer Switches & Switchgears *(Expired - 12/31/2016)*
- OSP-0172-10: Caterpillar – Automatic Transfer Switches
- OSP-0283-10: Cummins – Transfer Switches *(In Review)*
- OSP-0331-10: ABB – Automatic Transfer Switches
- OSP-0375-10: Cummins – Automatic Transfer Switches
- OSP-0466-10: On Power – Automatic Transfer Switches
- OSP-0514-10: Kohler – Automatic Transfer Switches
- OSP-0613-10: ABB – Automatic Transfer Switches *(In Review)*

**Manual Transfer Switches:**

**Emissions After-Treatment:**
- OSP-0266-10: Caterpillar – Emissions After-Treatment System
- OSP-0267-10: Cummins – Emissions After-Treatment System *(In Review)*
- OSP-0539-10: Rypos – Emissions After-Treatment System

**Fuel Tanks:**
- OSP-0126-10: Professional Power Products – Fuel Tanks *(Expired - 12/31/2016)*
- OSP-0185-10: Global Power Components – Fuel Tanks
- OSP-0187-10: Phoenix Power Products – Fuel Tanks
- OSP-0254-10: Tramont – Fuel Tanks

**Generators:**
- OSP-0028-10: Cummins – Generator Sets *(Expired - 12/31/2016)*
- OSP-0082-10: Kohler – Generator Sets
- OSP-0084-10: Caterpillar – Generator Sets *(Expired - 12/31/2016)*
- OSP-0117-10: MTU – Generator Sets
- OSP-0189-10: Kohler – Electrical Power Generators *(Expired - 12/31/2016)*
- OSP-0259-10: Peterson Power Systems – Diesel Generators *(Expired - 12/31/2016)*
- OSP-0268-10: Cummins – Generator Sets
- OSP-0282-10: Generac – Generator Sets
- OSP-0303-10: Kohler – Electrical Power Generators
- OSP-0321-10: Caterpillar – Electrical Power Generators
- OSP-0324-10: Caterpillar – Diesel Generators
- OSP-0344-10: Generac – Diesel Generators
- OSP-0371-10: Baldor – Diesel Generators
- OSP-0375-10: Cummins – Generator Sets
- OSP-0412-10: Caterpillar – Diesel Generators
- OSP-0444-10: Cummins – Diesel Generators
- OSP-0449-10: MTU – Electrical Power Generators
- OSP-0450-10: MTU – Electrical Power Generators
- OSP-0451-10: MTU – Electrical Power Generators
- OSP-0464-10: Kohler – Electrical Power Generators
- OSP-0532-10: Kohler – Diesel Generators
- OSP-0534-10: Kohler – Diesel Generators
- OSP-0553-10: MTU – Electrical Power Generators
- OSP-0569-10: Kohler – Diesel Generators *(In Review)*
- OSP-0594-10: Kohler – Diesel Generators *(In Review)*
- OSP-0600-10: Cummins – Diesel Generators *(In Review)*
- OSP-0612-10: Cummins – Gas Generators *(In Review)*

**Generator Control Panels:**
- OSP-0165-10: Intelligent Switchgear Organization – Generator Control Panels
- OSP-0404-10: MTU – Generator Control Panels
- OSP-0666-10: Cummins – Generator Control Panels *(In Review)*
Emergency and Standby Power Systems ~ cont’d

Paralleling Switchgear Controls:
- OSP-0030-10: Cummins – Digital Master Controllers (Expired - 12/31/2016)
- OSP-0036-10: GE Zenith Controls – Paralleling Switchgear & Controls (Expired - 12/31/2013)
- OSP-0120-10: Kohler – Paralleling Switchgear & Controls
- OSP-0313-10: ABB – Paralleling Switchgear & Controls
- OSP-0446-10: Cummins – Paralleling Switchgear & Controls

Remote Radiators:
- OSP-0129-10: YoungTouchtone – Radiators (Expired - 12/31/2016)
- OSP-0130-10: YoungTouchtone – Charge Air Coolers
- OSP-0152-10: IEA – Radiators
- OSP-0192-10: IEA – Radiators and Engine Coolers

2. Elevator Equipment

Elevator Control Panels:
- OSP-0011-10: Eaton – Elevator Control Panels & Switches
- OSP-0240-10: Elevator Controls – Elevator Control Panels (Expired - 12/31/2016)
- OSP-0419-10: Motion Control Engineering – Elevator Control Panels
- OSP-0586-10: Elevator Controls – Elevator Control Panels

Elevator Controllers:
- OSP-0092-10: Otis Elevator – Elevator Controllers
- OSP-0124-10: Computerized Elevator Control – Elevator Controllers (Expired - 12/31/2016)
- OSP-0143-10: ThyssenKrupp Elevator – Elevator Controllers (Expired - 12/31/2016)
- OSP-0166-10: ThyssenKrupp Elevator – Hydraulic Elevator Controllers
- OSP-0175-10: Kone – Elevator Controllers & Drives (Expired - 12/31/2016)
- OSP-0209-10: ThyssenKrupp Elevator – Traction Elevator Controllers
- OSP-0245-10: Smartrise – Elevator Controllers
- OSP-0296-10: Schindler – Elevator Components
- OSP-0359-10: Otis Elevator – Hydraulic Elevator Controllers
- OSP-0401-10: Kone – Elevator Controllers & Drives
- OSP-0402-10: Kone – Elevator Controllers & Drives
- OSP-0437-10: Kone – Elevator Controllers & Drives
- OSP-0559-10: Otis Elevator – Elevator Controllers

3. Components with Hazardous Content (Haz)

4. Exhaust/Smoke Control Fans

- OSP-0033-10: Loren Cook – Exhaust/Smoke Control Fans
- OSP-0102-10: Loren Cook – Centrifugal Blowers
- OSP-0148-10: Greenheck Fan – Centrifugal Ventilation Fans
- OSP-0195-10: Twin City Fan – Utility Centrifugal Ventilating Fans
- OSP-0223-10: Greenheck Fan – Mixed Flow and Lab Exhaust Fans (Expired - 12/31/2016)
- OSP-0271-10: Twin City Fan – Inline Fans
- OSP-0343-10: Enervex – Inline and Roof Power Vents
- OSP-0360-10: ACME – Centrifugal Exhaust Fans
- OSP-0395-10: Twin City Fan – Exhaust/Smoke Control Fans
- OSP-0442-10: Loren Cook – Exhaust/Smoke Control Fans
5. Switchgear/Switchboards

Switchgear - Low Voltage:
- OSP-0007-10: Square D – Low Voltage Switchgear
- OSP-0018-10: Eaton – Low Voltage Switchgear
- OSP-0021-10: IEM – Switchgear
- OSP-0043-10: GE – Low Voltage Switchgear
- OSP-0070-10: ASCO – Switchgear
- OSP-0090-10: Siemens – Low Voltage Switchgear (Expired - 12/31/2016)
- OSP-0298-10: Russelectric – Low and Medium Voltage Switchgear
- OSP-0408-10: Thomson – Low and Medium Voltage Switchgear
- OSP-0538-10: Siemens – Low Voltage Switchgear (In Review)
- OSP-0611-10: Caterpillar – Low Voltage Switchgear

Switchgear - Medium Voltage:
- OSP-0019-10: Eaton – Medium Voltage Switchgear
- OSP-0024-10: Russelectric – Medium Voltage Switchgear
- OSP-0037-10: Square D – Medium Voltage Load Interrupter Switchgear
- OSP-0042-10: GE – Load Interrupter Switchgear
- OSP-0046-10: Square D – Medium Voltage Metal-Clad Switchgear
- OSP-0053-10: Square D – Medium Voltage Switchgear
- OSP-0103-10: Powell Industries – Medium Voltage Switchgear
- OSP-0141-10: Siemens – Medium Voltage Metal-Clad Switchgear (Expired - 12/31/2016)
- OSP-0142-10: Siemens – Medium Voltage Switchgear (In Review)
- OSP-0157-10: G & W Electric – Switchgear
- OSP-0256-10: IEM – Medium Voltage Switchgear
- OSP-0400-10: IEM – Medium Voltage Switchgear
- OSP-0512-10: Siemens – Medium Voltage Switchgear
- OSP-0540-10: Cummins – Medium Voltage Switchgear
- OSP-0542-10: GE – Medium Voltage Switchgear
- OSP-0560-10: Schneider Electric – Medium Voltage Switchgear
- OSP-0691-10: SAI – Medium Voltage Switchgear (In Review)

Switchboards:
- OSP-0010-10: Eaton – Electrical Switchboards
- OSP-0012-10: Eaton – Low Voltage Switching Devices
- OSP-0015-10: Eaton – Enclosed Control
- OSP-0032-10: Square D – Switchboards
- OSP-0038-10: Square D – Switchboards (Expired – 12/31/2013)
- OSP-0044-10: GE – Switchboards
- OSP-0047-10: Square D – Enclosed Heavy Duty Safety Switches
- OSP-0060-10: Siemens – Safety Switches (Expired – 12/31/2013)
- OSP-0089-10: Siemens – Switchboards
- OSP-0308-10: Z Power – Switchboards
- OSP-0309-10: GE – Enclosed Controls
- OSP-0320-10: GE – Safety Switches
- OSP-0431-10: Eaton – Switchboards

6. Motor Control Centers

Motor Control Centers - Low Voltage:
- OSP-0006-10: Eaton – Motor Control Centers
- OSP-0052-10: Square D – Low Voltage Motor Control Centers
- OSP-0074-10: Siemens – Low Voltage Motor Control Centers
- OSP-0093-10: GE – Low Voltage Motor Control Centers

Motor Control Centers - Medium Voltage:
- OSP-0106-10: GE – Medium Voltage Motor Control Centers (Expired - 12/31/2016)
- OSP-0151-10: Eaton – Medium Voltage Motor Control Centers
- OSP-0178-10: Eaton – Medium Voltage Motor Control Centers
7. Fluoroscopy and Radiography Systems

- OSP-0051-10: GE Medical Systems – Radiography and Fluoroscopy System (Expired - 12/31/2016)
- OSP-0061-10: Philips Healthcare – Radiography and Fluoroscopy System
- OSP-0062-10: Siemens Medical Solutions – X-Ray Machines (Expired – 12/31/2013)
- OSP-0081-10: Toshiba Medical Systems – Digital Radiography Imaging
- OSP-0086-10: Siemens Medical Solutions – Radiography and Fluoroscopy Imaging Systems (Expired - 12/31/2016)
- OSP-0253-10: Philips Healthcare – Radiography and Fluoroscopy Components (Expired - 12/31/2016)
- OSP-0278-10: Quantum – Medical Imaging Devices (Expired - 12/31/2016)
- OSP-0280-10: Siemens – Digital Radiography Imaging
- OSP-0281-10: Toshiba – Radiography and Fluoroscopy Medical Imaging System (Expired - 12/31/2016)
- OSP-0311-10: Philips Healthcare – Radiography and Fluoroscopy System
- OSP-0319-10: Shimadzu – Radiography and Fluoroscopy System
- OSP-0409-10: Siemens – Radiography and Fluoroscopy System
- OSP-0479-10: GE – Radiography Systems
- OSP-0484-10: Samsung – Radiography Systems
- OSP-0493-10: Siemens – Radiography Systems
- OSP-0506-10: Carestream – Radiography Systems
- OSP-0511-10: Siemens – Radiography and Fluoroscopy Systems
- OSP-0518-10: Siemens – Radiography Systems
- OSP-0520-10: Phillips – Radiography and Fluoroscopy Systems
- OSP-0521-10: Phillips – Radiography Systems
- OSP-0527-10: AGFA – Radiography Systems
- OSP-0530-10: GE – Medical Imaging Components
- OSP-0545-10: Siemens – CT Systems
- OSP-0551-10: Siemens – Radiography and Fluoroscopy System
- OSP-0568-10: Fujifilm Medical – Radiography System
- OSP-0573-10: Philips – Radiography and Fluoroscopy System
- OSP-0576-10: Konica Minolta – Radiography and Fluoroscopy Systems
8. CT Systems

- OSP-0100-10: Siemens Medical Solutions – CT Systems (Expired - 12/31/2016)
- OSP-0174-10: Canon – CT Systems
- OSP-0212-10: Siemens Medical Solutions – PET-CT Systems (Expired - 12/31/2016)
- OSP-0239-10: GE – Medical Imaging Components
- OSP-0330-10: GE Healthcare – PET-CT Systems
- OSP-0335-10: GE – CT Systems
- OSP-0354-10: GE – CT Systems
- OSP-0357-10: Hitachi – CT Systems
- OSP-0358-10: Siemens – CT Systems
- OSP-0390-10: Siemens – CT Systems
- OSP-0394-10: GE Healthcare – CT Systems
- OSP-0397-10: GE Healthcare – CT Systems
- OSP-0407-10: Philips Healthcare – CT Systems
- OSP-0421-10: Siemens – CT Systems
- OSP-0423-10: GE Healthcare – CT Systems
- OSP-0432-10: Siemens – CT Systems
- OSP-0439-10: Siemens – PET-CT Systems
- OSP-0445-10: Siemens – CT Systems
- OSP-0463-10: Philips Healthcare – CT Systems
- OSP-0469-10: Philips Healthcare – CT Systems
- OSP-0472-10: Philips Healthcare – CT Systems
- OSP-0474-10: Siemens – CT Systems
- OSP-0509-10: Siemens – CT Systems
- OSP-0510-10: Siemens – CT Systems
- OSP-0522-10: Philips – CT Systems
- OSP-0544-10: Siemens – CT Systems
- OSP-0564-10: Siemens – CT Systems
- OSP-0585-10: Siemens – CT Systems

9. Air Conditioning Units

Air Conditioning Units - Custom:

- OSP-0063-10: ClimateCraft – Custom Air Handling Units
- OSP-0069-10: Energy Labs – Custom Air Handling Units
- OSP-0075-10: Huntair – Custom Air Handling Units
- OSP-0076-10: TMI – Custom Air Handling Units (In Review)
- OSP-0079-10: Temtrol – Custom Air Handling Units (Expired - 12/31/2016)
- OSP-0080-10: Governair – Custom Air Handling Units (Expired - 12/31/2016)
- OSP-0118-10: Alliance – Custom Air Handling Units
- OSP-0242-10: Trane – Custom Air Conditioning Units
- OSP-0243-10: Johnson Controls – Custom Air Handling Units (Expired - 12/31/2016)
- OSP-0246-10: Scott Springfield – Custom Air Handling Units
- OSP-0301-10: Haakon – Custom Air Handling Units
- OSP-0326-10: United Metal Products – Custom Air Handling Units
- OSP-0392-10: Innovent – Custom Air Handling Units
- OSP-0460-10: Halton – Custom Air Handling Units
- OSP-0533-10: Carrier – Custom Air Handling Units
- OSP-0546-10: Johnson Controls – Custom Air Handling Unit Components
- OSP-0567-10: Nortek Air Solutions – Custom Air Conditioning Units
Air Conditioning Units ~ cont’d

Air Conditioning Units - Data Room:
- OSP-0049-10: Vertiv – Data Room Air Conditioners
- OSP-0230-10: Stulz – Data Room Air Conditioners
- OSP-0237-10: APC – In Row Cooling Units
- OSP-0270-10: Vertiv – Cooling Units
- OSP-0299-10: Data-Aire – In-Room Chilled Water Cooling Units
- OSP-0366-10: Vertiv – Data Room Air Conditioners
- OSP-0381-10: Vertiv – Data Room Air Conditioners
- OSP-0468-10: Emerson Network Power – Liebert Data Room Air Conditioners
  (In Review)

Air Conditioning Units - Inline Fans and Terminal:
- OSP-0113-10: Greenheck Fan – Centrifugal and Axial Fans
- OSP-0122-10: Loren Cook – Filtered Air Supply Fan
- OSP-0123-10: Trane – Air Terminal Devices (Expired - 12/31/2016)
- OSP-0219-10: Loren Cook – Inline Fan
- OSP-0302-10: Price – Air Terminal Devices
- OSP-0352-10: Titus – Air Terminal Devices
- OSP-0382-10: Trane – Air Terminal Devices
- OSP-0385-10: Johnson Controls – Blower Coils
- OSP-0413-10: Tuttle & Bailey – Air Terminal Devices
- OSP-0414-10: Krueger – Air Terminal Devices
- OSP-0452-10: Siemens – Air Terminal Devices
- OSP-0502-10: Greenheck Fan – Mixed Flow Inline Fans
- OSP-0503-10: Greenheck Fan – Centrifugal Fans
- OSP-0561-10: Nailor – Air Terminal Devices (In Review)

Air Conditioning Units - Packaged:
- OSP-0027-10: Carrier – Roof Top Air Handling Units (Expired - 12/31/2012)
- OSP-0050-10: Trane – Packaged Air Handling Units (Expired - 12/31/2016)
- OSP-0147-10: Johnson Controls – Packaged Air Handling Units
- OSP-0153-10: Carrier – Roof Top Air Conditioning Units (Expired - 12/31/2016)
- OSP-0180-10: AAOI – Packaged Rooftop Air Handling Units
- OSP-0203-10: Trane – Packaged Air Handling Units (Expired - 12/31/2016)
- OSP-0213-10: York – Packaged Air Handling Units
- OSP-0232-10: Cascade Air Systems – Compact Cabinet Fans (Expired - 12/31/2016)
- OSP-0235-10: Carrier – Packaged Air Handling Units
- OSP-0254-10: Johnson Controls – Packaged Air Handling Units
- OSP-0255-10: Johnson Controls – Packaged Air Handling Units
- OSP-0277-10: Trane – Packaged Air Handling Units
- OSP-0325-10: Daikin Applied – Packaged Air Handling Units
- OSP-0353-10: Seeley – Packaged Air Handling Unit
- OSP-0376-10: Trane – Packaged Air Handling Units
- OSP-0494-10: Carrier – Roof Top Packaged Air Handling Units
- OSP-0536-10: Johnson Controls – Packaged Air Handling Units (In Review)
- OSP-0596-10: Lennox – Packaged Air Handling Units (In Review)
- OSP-0599-10: Daikin – Packaged Air Handling Units (In Review)

Air Conditioning Units - Split:
- OSP-0108-10: Mitsubishi – Split Air Conditioners and Heat Pumps
- OSP-0125-10: Carrier – Split Condensing and Fan Coil Units
- OSP-0297-10: Daikin – Split Air Conditioners and Heat Pumps
- OSP-0323-10: Trane – Split Condensing Units
- OSP-0347-10: Trane – Split Condensing Units
- OSP-0372-10: Daikin – Outdoor Heat Pumps
- OSP-0386-10: LG – Split Air Conditioners and Heat Pumps
- OSP-0373-10: Mitsubishi – Split Air Conditioners Units
- OSP-0547-10: LG Electronics – Split Air Conditioning Units
- OSP-0554-10: Johnson Controls – Split Air Conditioning Units (In Review)
- OSP-0562-10: Samsung – Split Air Conditioning Units (In Review)
- OSP-0567-10: Johnson Controls – Split Air Conditioning Units (In Review)
- OSP-0566-10: Vertiv – Split Air Conditioner Unit

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Air Conditioning Units ~ cont’d

Air Filters:
- OSP-0269-10: Dynamic – Electronic Air Cleaners
- OSP-0307-10: Genesis Air – AHU Filter Panels
- OSP-0450-10: American Green Technologies – UV Air Treatment Lighting Systems
- OSP-0558-10: Global Plasma Solutions – Electronic Air Cleaners
- OSP-0607-10: Johnson Controls – UV Air Treatment Lighting Systems (In Review)

Fan Coil Units:
- OSP-0105-10: Greenheck Fan – Fan Coil Air Handling Units
- OSP-0211-10: IEC – Hydronic Fan Coils (Expired - 12/31/2016)
- OSP-0227-10: Xpediare – Hydronic Fan Coils (Expired - 12/31/2016)
- OSP-0229-10: Carrier – Hydronic Fan Coils (Expired - 12/31/2016)
- OSP-0378-10: Price – Fan Coil Units
- OSP-0388-10: Johnson Controls – Fan Coil Units
- OSP-0475-10: Krueger – Fan Coil Units

Humidification Systems:
- OSP-0216-10: Dri-Steem – Humidification Systems
- OSP-0225-10: Nortec Humidity – Humidification Systems
- OSP-0477-10: Armstrong – Humidification Systems
- OSP-0531-10: Neptronic – Humidification Systems

Variable Air Volume Units:
- OSP-0290-10: Phoenix Controls – Airflow Control Valves
- OSP-0379-10: Johnson Controls – Airflow Control Valves
- OSP-0387-10: Johnson Controls – VAV Terminal Units
- OSP-0593-10: Siemens – VAV Terminal Units (In Review)

10. Air Handling Units

Fans:
- OSP-0355-10: Twin City Fan – Plenum and Housed Fans
- OSP-0356-10: Greenheck – Sidewall Fans
- OSP-0272-10: ClimateCraft – Stacked Fan Array
- OSP-0416-10: Huntair – Fanwall

11. Chillers

Chillers - Absorption:
- OSP-0373-10: BasX – Absorption Chiller
- OSP-0478-10: Sigler – Absorption Chiller
- OSP-0513-10: Broad USA – Absorption Chiller

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Chillers ~ cont’d

Chillers - Air Cooled:
- OSP-0128-10: Trane – Air Cooled Chillers
- OSP-0135-10: Carrier – Water and Air Cooled Chillers (Expired - 12/31/2016)
- OSP-0169-10: Dimplex – Air Cooled Condensing Process Chillers
- OSP-0170-10: Siemens – Air Cooled Water Chillers
- OSP-0173-10: Johnson Thermal Systems – Air Cooled Chillers
- OSP-0184-10: Carrier – Air Cooled Chillers
- OSP-0260-10: Drake Refrigeration – Chillers
- OSP-0279-10: Haskris – Chillers & Heat Exchangers
- OSP-0317-10: Johnson Controls – Air Cooled Chillers
- OSP-0327-10: Multistack – Air Cooled Modular Packaged Water Chillers
- OSP-0367-10: Trane – Air Cooled Chillers
- OSP-0369-10: Filtrine – Air Cooled Chillers
- OSP-0374-10: Johnson Controls – Air Cooled Chillers
- OSP-0383-10: Carrier – Air Cooled Chillers
- OSP-0391-10: Daikin – Air Cooled Chillers
- OSP-0417-10: Trane – Air Cooled Chillers
- OSP-0541-10: Trane – Air Cooled Chillers (In Review)
- OSP-0580-10: Advanced Cooling Technologies – Air Cooled Chillers

Chillers - CT Scanner:
- OSP-0461-10: Siemens – CT Scanner Cooling System

Chillers - Water Cooled:
- OSP-0026-10: Carrier – Chillers
- OSP-0034-10: Carrier – Chillers (Expired – 12/31/2012)
- OSP-0045-10: Johnson Controls – Chillers
- OSP-0048-10: Climacool – Chillers and Master Control Panel
- OSP-0116-10: McQuay – Chillers
- OSP-0150-10: Multistack – Chillers
- OSP-0159-10: Johnson Controls – Chillers
- OSP-0181-10: Carrier – Water Cooled and Condenser Less Chillers
- OSP-0167-10: Smardt – Water Cooled Chillers
- OSP-0168-10: Trane – Chillers
- OSP-0198-10: Trane – Liquid Chillers
- OSP-0190-10: Trane – Liquid Chillers (Expired - 12/31/2016)
- OSP-0204-10: Multistack – Maglev Flooded Chillers
- OSP-0205-10: Trane – Helical Rotary Water Chillers (Expired - 12/31/2016)
- OSP-0250-10: Johnson Controls – Liquid Chillers
- OSP-0364-10: Tecogen – Water-cooled Natural Gas Chillers
- OSP-0398-10: KKT Chillers – Water Cooled Chillers
- OSP-0406-10: Carrier – Water Cooled Chillers
- OSP-0489-10: Thermo Fisher Scientific
- OSP-0515-10: KKT Chillers – Water Cooled Chillers
- OSP-0516-10: Rockwell Chillers – Water Cooled Chillers
- OSP-0548-10: Trane – Water Cooled Chillers
- OSP-0549-10: KKT Chillers – Water Cooled Chillers
- OSP-0581-10: Trane – Water Cooled Chillers (In Review)
- OSP-0601-10: Daikin – Water Cooled Chillers
- OSP-0610-10: Trane – Water Cooled Chillers (In Review)

Condensers:
- OSP-0181-10: AAON – Condensers and Chillers
- OSP-0182-10: Vertiv – Condensers

Heat Exchangers:
- OSP-0244-10: Ameridex – Plate Heat Exchangers (Expired - 12/31/2016)
OSHPD Special Seismic Certification Preapproval (OSP) by Category

12. Cooling Towers

- OSP-0001-10: Baltimore Aircoil – Cooling Towers
- OSP-0002-10: Baltimore Aircoil – Cooling Towers *(Expired – 12/31/2012)*
- OSP-0111-10: Evapco – Cooling Towers *(Expired - 12/31/2016)*
- OSP-0171-10: SPX Marley – Cooling Towers
- OSP-0224-10: Baltimore Aircoil – Cooling Towers
- OSP-0289-10: Tower Tech – FRP Cooling Towers
- OSP-0368-10: Baltimore Aircoil – Cooling Towers
- OSP-0384-10: SPX Marley – Cooling Towers
- OSP-0473-10: Baltimore Aircoil – Cooling Towers
- OSP-0481-10: Evapco – Cooling Towers
- OSP-0488-10: Evapco – Cooling Towers

13. Transformers

Transformers - Dry Type:

- OSP-0008-10: Eaton – Dry Type Transformers
- OSP-0023-10: Square D – Low Voltage Transformers
- OSP-0025-10: ABB – Dry Type Transformers
- OSP-0041-10: GE – Low Voltage Transformers
- OSP-0056-10: MGM Transformer – Dry Type Transformers
- OSP-0097-10: Siemens – Dry Type Transformers *(Expired - 12/31/2016)*
- OSP-0109-10: Jefferson Electric – Dry Type Transformers
- OSP-0110-10: Powerssmiths – Dry Type Transformers *(Expired - 12/31/2016)*
- OSP-0136-10: Hammond – Dry Type Transformers
- OSP-0318-10: Powersmiths – Dry Type Transformers
- OSP-0332-10: Rex Power Magnetics – Dry Type Transformers
- OSP-0443-10: Rypos – Dry Type Transformers
- OSP-0462-10: Teal – Dry Type Transformers
- OSP-0476-10: Getinge – Dry Type Transformers
- OSP-0483-10: Eaglerise – Dry Type Transformers

Transformers - Liquid Filled:

- OSP-0098-10: Prolec GE – Liquid Filled Transformers *(Expired – 12/31/2013)*
- OSP-0099-10: Powersmiths – Liquid Filled Transformers
- OSP-0121-10: Cooper Power Systems – Liquid Filled Transformers *(Expired - 12/31/2016)*
- OSP-0370-10: Pacific Crest Transformers – Liquid Filled Transformers
- OSP-0399-10: Howard Industries – Liquid Filled Transformers
- OSP-0403-10: GE – Liquid Filled Transformers

14. Electrical Substations

- OSP-0017-10: Eaton – Unitized Power Center (UPC) *(Expired - 12/31/2016)*
- OSP-0059-10: Square D – Integrated Power Center (IPC)
- OSP-0146-10: Square D – Medium Voltage Package Substations *(Expired - 12/31/2016)*
- OSP-0441-10: Eaton – Mini Power Center *(In Review)*
15. UPS and Inverters

Batteries:
- OSP-0054-10: Electronic Systems Support – Battery Cabinets
- OSP-0086-10: C & C Power – Battery Cabinets
- OSP-0138-10: Power Battery – Battery Cabinets (Expired - 12/31/2016)
- OSP-0194-10: Square D – Battery Racks
- OSP-0264-10: Alpha Industrial Power – Battery Racks
- OSP-0274-10: APC – Battery Cabinets
- OSP-0310-10: APC – Battery Cabinets
- OSP-0465-10: Termaco – Battery Cabinets
- OSP-0470-10: Tesla – Battery Cabinets (In Review)
- OSP-0485-10: Purcell Systems – Battery Cabinets
- OSP-0534-10: Termaco – Battery Cabinets
- OSP-0563-10: Schneider Electric – Battery Cabinets
- OSP-0589-10: Berg Electric – Battery Racks
- OSP-0597-10: Termaco – Battery Cabinets (In Review)

Battery Chargers:
- OSP-0131-10: Stored Energy Systems – Battery Chargers
- OSP-0276-10: Alpha Industrial Power – Battery Chargers
- OSP-0292-10: Alpha Industrial Power – Battery Chargers (Expired - 12/31/2016)
- OSP-0328-10: Alpha Industrial Power – Battery Chargers
- OSP-0329-10: Alpha Industrial Power – Battery Chargers
- OSP-0340-10: La Marche – Battery Chargers
- OSP-0377-10: Eltek – Battery Chargers
- OSP-0498-10: Kohler – Battery Chargers

Flywheel Energy Storage Systems
- OSP-0163-10: Vycon – Flywheel Energy Storage System (Expired - 12/31/2016)
- OSP-0440-10: Vycon – Flywheel Energy Storage Systems

Lighting Inverter Systems:
- OSP-0258-10: Myers Power Products – Lighting Inverter System
- OSP-0305-10: Myers Power Products – Lighting Inverter System
- OSP-0365-10: Hubbell Dual-Lite – Lighting Inverter System
- OSP-0496-10: Myers Power Products – Lighting Inverter System
- OSP-0499-10: Crucial Power – Lighting Inverter System
- OSP-0500-10: Online Power – Lighting Inverter System
- OSP-0501-10: Perfect Power – Lighting Inverter System
- OSP-0536-10: Go2Power – Lighting Inverter System

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UPS and Inverters ~ cont’d

UPS:
- OSP-0013-10: Eaton – UPS and Options Cabinets (Expired - 12/31/2016)
- OSP-0066-10: UP System – UPS (Expired – 12/31/2013)
- OSP-0101-10: Emerson Network Power – UPS & Rack
- OSP-0107-10: Mitsubishi – UPS
- OSP-0119-10: Toshiba – UPS
- OSP-0144-10: APC – UPS
- OSP-0145-10: APC – UPS
- OSP-0155-10: Eaton – UPS
- OSP-0196-10: APC – UPS
- OSP-0197-10: APC – UPS
- OSP-0206-10: GE – UPS
- OSP-0220-10: APC – UPS
- OSP-0228-10: Emerson Network Power – UPS (Expired - 12/31/2016)
- OSP-0231-10: APC – UPS
- OSP-0261-10: APC – UPS
- OSP-0264-10: APC – UPS
- OSP-0262-10: APC – Static Transfer Switches (Expired - 12/31/2016)
- OSP-0263-10: Siemens – UPS (Expired - 12/31/2016)
- OSP-0275-10: Emerson Network Power – UPS & Distribution Cabinets (Expired - 12/31/2016)
- OSP-0285-10: Emerson Network Power – UPS & Various Cabinets (Expired - 12/31/2016)
- OSP-0300-10: Active Power – UPS
- OSP-0315-10: GE – UPS
- OSP-0334-10: Emerson Network Power – UPS
- OSP-0336-10: Powervar – UPS
- OSP-0337-10: Eaton – UPS
- OSP-0389-10: Schneider Electric – UPS
- OSP-0405-10: Eaton – UPS
- OSP-0426-10: Active Power – UPS
- OSP-0434-10: Staco Energy – UPS
- OSP-0455-10: Schneider – UPS
- OSP-0456-10: Falcon – UPS
- OSP-0467-10: Fuji – UPS
- OSP-0471-10: Toshiba – UPS
- OSP-0486-10: Eaton – UPS
- OSP-0487-10: Eaton – UPS
- OSP-0492-10: Fuji – UPS
- OSP-0505-10: Eaton – UPS
- OSP-0517-10: GE – UPS
- OSP-0528-10: Toshiba – UPS
- OSP-0529-10: GE – UPS
- OSP-0556-10: Vertiv – UPS
- OSP-0571-10: Vertiv – UPS
- OSP-0572-10: Schneider – UPS
- OSP-0578-10: ABB – UPS (In Review)
- OSP-0579-10: Schneider – UPS (In Review)
- OSP-0588-10: Socomec – UPS (In Review)
- OSP-0592-10: Powervar – UPS
- OSP-0602-10: ABB – UPS (In Review)
- OSP-0606-10: Schneider – UPS (In Review)
- OSP-0608-10: Powervar – UPS (In Review)
OSHPD Special Seismic Certification Preapproval (OSP) by Category

16. Panelboards

Panelboards:
- OSP-0009-10: Eaton – Electrical Panelboards
- OSP-0016-10: Square-D – Panelboards
- OSP-0040-10: GE – Panelboards
- OSP-0058-10: Square D – Modular Panelboard System
- OSP-0064-10: Square D – Enclosed Circuit Breakers
- OSP-0078-10: Siemens – Panelboards
- OSP-0304-10: GE – Switchboards
- OSP-0338-10: Eaton – Enclosed Circuit Breakers
- OSP-0428-10: Eaton – Panelboards

Power Distribution Units (PDU):
- OSP-0162-10: Teal – Power Distribution Units
- OSP-0235-10: APC – Power Distribution Units
- OSP-0351-10: Powersmiths – Power Distribution Units
- OSP-0418-10: RF Technologies – Power Distribution Unit
- OSP-0430-10: Teal – Power Distribution Unit
- OSP-0507-10: Spellman – Power Distribution Units
- OSP-0523-10: CETC Ecrie Power – Power Distribution Units

17. Industrial Control Panels

Boiler Control Panels:
- OSP-0448-10: Parker Boiler – Boiler Control Panels
- OSP-0504-10: Preferred Utilities – Boiler Control Panels

Building Automation Systems:
- OSP-0140-10: Johnson Controls – Network and Security Control Panels
- OSP-0217-10: Siemens – Building Automation Systems
- OSP-0218-10: Siemens – Building Automation Systems
- OSP-0598-10: Honeywell – Building Automation Systems (In Review)

Fuel Systems Control Panels:
- OSP-0160-10: Fuel Oil Systems – Fuel Oil Control Panels
- OSP-0191-10: ElectroDesign – Fuel Oil System Control Panels
- OSP-0208-10: Lescure – Fuel Oil Control Panels
- OSP-0287-10: Earthsafe – Fuel Systems Control Panels (Expired - 12/31/2016)
- OSP-0361-10: Preferred Utilities – Fuel Systems Control Panels
- OSP-0424-10: PPI – Fuel Systems Control Panels

HVAC Control Panels:
- OSP-0055-10: Climatec – HVAC Control Panels
- OSP-0068-10: Systecon – HVAC Control Panels
- OSP-0127-10: L & H Airco – Temperature Control Panels
- OSP-0183-10: Emcor – Temperature Control Panels
- OSP-0199-10: Schneider Electric – Temperature Control Panels
- OSP-0214-10: Sunbelt Controls – Automated Logic Control Panels
- OSP-0226-10: Southland – Temperature Control Panels
- OSP-0252-10: Climatec – HVAC Control Panels
- OSP-0295-10: Emcor – Temperature Control Panels (In Review)
- OSP-0453-10: Systerco – HVAC Control Panels
- OSP-0552-10: Diotech – Temperature Control Panels
- OSP-0583-10: Climatec – HVAC Control Panels
- OSP-0590-10: Frank Booth – HVAC Control Panels (In Review)

Pump Control Panels:
- OSP-0481-10: Grundfos – Custom Pump Control Panels
- OSP-0508-10: Bryan Steam – Pump Control Panels (In Review)

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Industrial Control Panels ~ cont’d

Variable Frequency Drives (VFDs) and Starters:
- OSP-0020-10: Square D – Packaged AC Drives & Soft Starts (Expired – 12/31/2016)
- OSP-0083-10: ABB – Variable Frequency Drives (VFDs)
- OSP-0087-10: Danfoss – Variable Frequency Drives (VFDs)
- OSP-0099-10: Eaton – MV Adjustable Frequency Drive (AFDs) (Expired - 12/31/2016)
- OSP-0117-10: Trane – Variable Frequency Drives (VFDs)
- OSP-0156-10: Square D – Combination Starters and Lighting Contactors
- OSP-0293-10: Yaskawa – Variable Frequency Drives (VFDs)
- OSP-0316-10: Danfoss – Variable Frequency Drives (VFDs)
- OSP-0333-10: Trane – Variable Frequency Drives (VFDs)
- OSP-0339-10: Johnson Controls – Variable Frequency Drives (VFDs)
- OSP-0346-10: Siemens – Variable Frequency Drives (VFDs)
- OSP-0349-10: SyncroFix – Variable Frequency Drives (VFDs)
- OSP-0363-10: Danfoss – Variable Frequency Drives (VFDs)
- OSP-0396-10: Rockwell – Variable Frequency Drives (VFDs)
- OSP-0411-10: Franklin – Variable Frequency Drives (VFDs)
- OSP-0415-10: Toshiba – Variable Frequency Drives (VFDs)
- OSP-0422-10: Armstrong – Variable Frequency Drives (VFDs)
- OSP-0429-10: Eaton – Variable Frequency Drives (VFDs)
- OSP-0433-10: Yaskawa – Variable Frequency Drives (VFDs)
- OSP-0459-10: Siemens – Variable Frequency Drives (VFDs)
- OSP-0480-10: Siemens – Variable Frequency Drives (VFDs)
- OSP-0565-10: ABB – Variable Frequency Drives (VFDs)
- OSP-0575-10: ABB – Variable Frequency Drives (VFDs)
- OSP-0603-10: Danfoss – Variable Frequency Drives (VFDs) (In Review)

18. Power Isolation and Correction Systems

Grounding Systems:
- OSP-0177-10: Post Glover Resistors – Neutral Grounding Resistors
- OSP-0196-10: Post Glover Resistors – High-Resistance Grounding Systems
- OSP-0345-10: I-Gard – Neutral Grounding Resistors
- OSP-0492-10: Post Glover – Neutral Grounding Device

Power Isolation and Correction Systems:
- OSP-0095-10: Square D – Power Correction System
- OSP-0176-10: Bender – Power Isolation Panels
- OSP-0210-10: PG LifeLink – Power Isolation Distribution Panels
- OSP-0435-10: Controlled Power – Power Isolation Distribution System
- OSP-0436-10: Transtector – Power Isolation Distribution System
- OSP-0495-10: Powervar – Power Isolation Systems

19. Motorized Surgical Lights

- OSP-0241-10: Maquet – Lights and Booms (Expired - 12/31/2016)
- OSP-0350-10: Maquet – LED Concealed Lighting System

20. Motorized Operating Table Systems

- OSP-0234-10: Maquet – Operating Table Systems
- OSP-0410-10: Siemens – Operating Table System
21. Internal Communication Servers and Routers

Servers & Routers:
- OSP-0003-10: Nortel Network – Private Branch Exchange (PBX) *(Expired – 12/31/2012)*
- OSP-0039-10: NEC – Voice Communications Server *(Expired – 12/31/2013)*
- OSP-0555-10: Cisco Systems – Rack Mounted Routers and Switches

Wireless Communication Systems:
- OSP-0294-10: Solid Technologies – Distributed Antenna Systems
- OSP-0550-10: CommScope – Unified Wireless Communication Systems

22. Medical Gas and Vacuum Systems

Medical Air and Vacuum Systems:
- OSP-0291-10: Beacon Medaes – Medical Air Systems
- OSP-0322-10: Beacon Medaes – Medical Vacuum Systems
- OSP-0380-10: Powerex – Medical Air Systems
- OSP-0393-10: Powerex – Medical Vacuum Systems
- OSP-0447-10: Amico – Medical Air and Vacuum Systems
- OSP-0519-10: Gardner Denver – Medical Air and Vacuum Systems
- OSP-0574-10: Beacon Medaes – Medical Air and Vacuum Systems *(In Review)*
- OSP-0605-10: Beacon Medaes – Medical Vacuum Systems *(In Review)*

Medical Gas Systems:
- OSP-0200-10: Cryoquip – Cryogenic Fluid Vaporizers
- OSP-0221-10: Praxair – Medical Oxygen Supply Regulator Module *(Expired - 12/31/2016)*

23. Electrical Busways

- OSP-0094-10: Square D – Low Voltage Busways
- OSP-0222-10: Technibus – Medium Voltage Busways
- OSP-0314-10: GE – Spectra Busway
- OSP-0557-10: Universal Electric – Electrical Busways *(In Review)*
- OSP-0570-10: Eaton – Electrical Busways *(In Review)*

24. Electrical Control Panels on Life Safety/Critical Branch

Fire Alarm & Security Panels:
- OSP-0004-10: Tyco – Fire Alarm Control Panels
- OSP-0057-10: Siemens – Fire Alarm Control Panel
- OSP-0065-10: Honeywell, Silent Knight – Fire Alarm Control Panels
- OSP-0071-10: Honeywell, Fire-Lite – Fire Alarm Control Panels
- OSP-0072-10: Honeywell, Notifier – Fire Alarm Control Panels
- OSP-0073-10: Honeywell, Gamewell-FCI – Fire Alarm Control Panels
- OSP-0139-10: Kirkland – Graphic Annunciator Panels
- OSP-0154-10: Mircom – Fire Alarm Control Panels
- OSP-0233-10: Hochiki – Fire Alarm Control Panels
- OSP-0246-10: Edwards – Fire Alarm Control Panels
- OSP-0265-10: Siemens – Fire Alarm Control Panels
- OSP-0273-10: Siemens – Fire Alarm Control Panels
- OSP-0286-10: Kidde Fernal – Fire Alarm Control Panels
- OSP-0420-10: Siemens – Fire Alarm Control Panels
- OSP-0425-10: Johnson Controls – Access Control Panels
- OSP-0438-10: Harrington/Evax – Fire Alarm Control Panels
- OSP-0508-10: Bryan Steam – Alarm & Pump Panels
- OSP-0584-10: Potter Signal – Fire Alarm & Security Panel
- OSP-0604-10: Honeywell, Fire Alarm Control Panels *(In Review)*
Electrical Control Panels on Life Safety/Critical Branch ~ cont’d

**Fire Protection & Security Panels:**
- OSP-0031-10: Edwards – Fire Protection System
- OSP-0077-10: Fike – Fire Detection Equipment Line
- OSP-0112-10: Siemens – MXL Fire Protection System
- OSP-0158-10: ASCO – Fire Pump Controllers
- OSP-0341-10: Fireflex – Integrated Fire Protection Systems
- OSP-0342-10: Fireflex – Integrated Fire Protection Systems
- OSP-0454-10: Tomatech – Fire Pump Controllers
- OSP-0524-10: Xtralis – Fire Detection Control Panels
- OSP-0600-10: Tyco – Fire Protection System *(In Review)*

**Lighting Control Panels:**
- OSP-0091-10: Acuity Brands Controls – Lighting Control Panels
- OSP-0134-10: Philips – Low-Voltage Lighting Control Panels *(Expired - 12/31/2016)*
- OSP-0164-10: Philips – Lighting Control Cabinets *(Expired - 12/31/2016)*
- OSP-0202-10: Steris – Surgical Lighting Control Panels
- OSP-0215-10: Lutron Electronics – Lighting Control Panels
- OSP-0257-10: WattStopper – Lighting Control Panels
- OSP-0427-10: Philips – Lighting Control Panels
- OSP-0458-10: Crestron – Lighting Control Panels
- OSP-0577-10: Acuity Brands Controls – Lighting Control Panels

**Medical System Control Panels**
- OSP-0457-10: Bevco – Main Disconnect Panels
- OSP-0525-10: SKTransformer – Main Disconnect Panels

**Nurse Call Systems:**
- OSP-0067-10: Rauland-Borg – Nurse Call Systems *(Expired - 12/31/2016)*
- OSP-0132-10: West-Com – Nurse Call Systems
- OSP-0179-10: Hill-Rom – Nurse Call Systems
- OSP-0198-10: Jeron Electronic Systems – Nurse Call Systems
- OSP-0207-10: Ascom – Nurse Call Systems
- OSP-0288-10: Critical Alert – Nurse Call Systems
- OSP-0306-10: BergElectric Nurse Call Systems
- OSP-0312-10: Tek Tone – Nurse Call Systems
- OSP-0362-10: Rauland-Borg – Nurse Call Systems *(In Review)*
- OSP-0615-10: Best Healthcare – Nurse Call Systems *(In Review)*

25. **Other**

**Biological Safety Cabinets:**
- OSP-0247-10: Baker – Biological Safety Cabinet *(In Review)*

**IV Fluid Warmers:**
- OSP-0284-10: Enthermics Medical Solutions – IV Fluid Warmers *(Expired - 12/31/2016)*